

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for the preparation of polyurethane foams having a density of less than 200 g/l, ~~by comprising~~ reacting

- a) ~~polyisocyanates~~ a polyisocyanate with
- b) ~~compounds~~ a compound having at least two hydrogen atoms reactive with an isocyanate ~~groups~~ group,

wherein the ~~polyisocyanates~~ polyisocyanate a) ~~are~~ is an aromatic di- or ~~polyisocyanates~~ polyisocyanate and the ~~compounds~~ compound b) having at least two hydrogen atoms reactive with an isocyanate ~~groups contain~~ group contains at least one acrylate polyol having a hydroxyl number between 15 and 500 mg KOH/g, which can be prepared by copolymerization of hydroxyl-functionalized (meth)acrylates with ethene, propene, butene, isobutene, diisobutene, acrylonitrile, acrylamide, acrolein, styrene, methylstyrene, divinylbenzene, maleic anhydride, vinyl esters of carboxylic acids or unsaturated carboxylic acids, for example maleic acid, fumaric acid or crotonic acid or derivatives thereof, and at least one polyether alcohol or polyester alcohol.

Claim 2 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols have~~ polyol has an average molecular weight Mn of not more than 12 000 g/mol.

Claim 3 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols have~~ polyol has an average molecular weight Mn of not more than 8000 g/mol.

Claim 4 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols have~~ polyol has an average molecular weight Mn of not more than 6000 g/mol.

Claim 5 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols are~~ polyol is prepared by polymerization of hydroxyl-functionalized (meth)acrylates.

Claim 6 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols are~~ polyol is prepared by copolymerization of hydroxyl-functionalized (meth)acrylates with monomers containing olefinic double bonds and no hydroxyl functional groups.

Claim 7 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols are~~ polyol is prepared by copolymerization of hydroxyl-functionalized (meth)acrylates with (meth)acrylates having no hydroxyl functional groups.

Claim 8 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols are~~ polyol is prepared by polymerization of C₁- to C₈-hydroxyalkyl (meth)acrylates.

Claim 9 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols are~~ polyol is prepared by copolymerization of C₁- to C₈-hydroxyalkyl (meth)acrylates with alkyl (meth)acrylates having C₁- to C₁₀-alkyl groups.

Claim 10 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols are~~ polyol is used in an amount of from 0.1 to 50 parts by weight, based on 100 parts by weight of the compounds compound b) having at least two hydrogen atoms reactive with isocyanate groups.

Claim 11 (Currently Amended): A process as claimed in claim 1, wherein ~~the~~ acrylate ~~polyols are~~ polyol is used in an amount of from 0.5 to 40 parts by weight, based on 100 parts by weight of the ~~compounds~~ compound b) having at least two hydrogen atoms reactive with isocyanate groups.

Claim 12 (Currently Amended): A process as claimed in claim 1, wherein the acrylate ~~polyols are~~ polyol is used in an amount of from 1 to 30 parts by weight, based on 100 parts by weight of the ~~compounds~~ compound b) having at least two hydrogen atoms reactive with isocyanate groups.

Claim 13 (Currently Amended): A process as claimed in claim 1, wherein the ~~polyisocyanates~~ polyisocyanate a) ~~used are~~ is selected from the group consisting of tolylene diisocyanate, diphenylmethane diisocyanate, polyphenylpolymethylene polyisocyanate, phenylene diisocyanate, xylylene diisocyanate, naphthylene diisocyanate, tolidine diisocyanate ~~or a mixture of said isocyanates~~ and mixtures thereof.

Claim 14 (Currently Amended): A process as claimed in claim 1, wherein the ~~polyisocyanates~~ polyisocyanate a) ~~were~~ is modified by incorporation of urethane, allophanate, urea, biuret, uretdione, amide, isocyanurate, carbodiimide, uretonimine, oxadiazinetriene or iminooxadiazinedione structures.

Claim 15 (Currently Amended): A process as claimed in claim 1, wherein the ~~polyisocyanates~~ polyisocyanate a) ~~were~~ is modified by incorporation of urethane, allophanate, uretdione, carbodiimide, uretonimine, biuret or isocyanurate structures.

Claim 16 (Currently Amended): A polyurethane foam ~~which can be prepared by the~~
process as claimed in ~~any of claims 1 to 15~~ claim 1.

Claim 17 (Original): A polyol blend for the preparation of polyurethane foams,
comprising at least one acrylate polyol and at least one polyetheralcohol or polyesteralcohol.